EXPERIMENT 9

Aim:

Tostudythesteps for hiding and extract any text file behind an image file/ Audio file usingCommand Prompt.

Hereistheprocedure and result for Experiment 9 (Steps for Hiding and Extracting Text File behindanImage or Audio File using Command Prompt):

Procedure:

1. Preparation:

- o Copythe text file you want to hide (e.g., A.txt) and the image file (e.g., B.jpg)to the Desktop for easy access.
- 2. **Open Command Prompt:** Press Win + R, type cmd, and press Enter. Change directory to Desktop bytyping:

```
cd Desktop
```

3. Hide Text inside Image:

o Usethebinarycopycommand to merge the text file with image file:

```
text
copy/bB.jpg + A.txt C.jpg
```

o This commandcreates C.jpg, the image file with the hidden text embedded.

4. Retrieve Hidden Text:

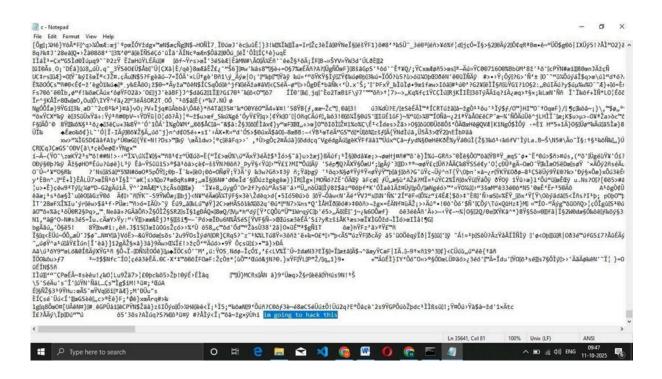
o Locate the mergedfile C.jpg. o Right-click on C.jpg and open it with Notepad. o Scroll to the very bottom of the file in Notepad to see the hidden text from A.txt.

Alternative: Hide any File behind Audio

• If you want tohide a ZIP or other filebehind an audio file (e.g., sound.mp3 and secret.zip),use:

```
text copy/b sound.mp3 + secret.zip
newfile.mp3
```

• To retrieve the hidden file, rename newfile.mp3 back to .zip or open it with an archive tool.



Result:

- Thetext file was successfully hidden within the image file without altering the visible content.
- Thehidden data could be retrieved by opening the merged file in a text editor.
- Thisbasic steganography technique demonstrates how files can be concealed in multimedia content for confidentiality or forensic challenges.